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Manning et al.

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(54) **FOOD BARS CONTAINING NUTRITIONAL SUPPLEMENTS AND ANTI-CONSTIPATION AND REGULARITY MAINTAINING-AGENTS**

(75) Inventors: **Paul B. Manning**, Keswick, VA (US);
Jack H. Schramm, Gordonsville, VA (US); **James W. McGrath, Jr.**, Keswick, VA (US)

(73) Assignee: **PBM Pharmaceuticals, Inc.**, Gordonsville, VA (US)

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(58) **Field of Search** 424/439; 426/72, 426/74

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,634,210 A	4/1953	Kimball	99/11
2,961,320 A	11/1960	Cuthbertson	99/56
3,097,947 A	7/1963	Kemmerer	99/63

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

EP	0 102 663 A1	3/1984
EP	0 596 717 A1	5/1994
FR	0 603 460 A1	3/1988

(List continued on next page.)

OTHER PUBLICATIONS

National Academy of Sciences, Subcommittee on Dietary Intake and Nutrient Supplements During Pregnancy, *Nutrition During Pregnancy*, p. 240, Washington, D.C. 1990.*

Physician's Desk Reference, 49th Edition, 1995, P. 1264 (Medical Economics Data Production Company, Montvale, New Jersey).

Primary Examiner—Thurman K. Page

Assistant Examiner—Rachel M. Bennett

(74) *Attorney, Agent, or Firm*—Roberta L. Hastreiter; Scott B. Feder; Lord, Bissell & Brook

(57) **ABSTRACT**

The present invention provides food bars for consumption by pregnant women, lactating women or women of childbearing potential that are attempting to become pregnant containing one or more vitamins and/or minerals, and one or more anti-constipation and regularity-maintaining agents, methods for preparing these food bars, and methods for supplementing the dietary requirements of pregnant women, lactating women or women of childbearing potential that are attempting to become pregnant. The food bars of the invention generally comprise one or more vitamins and minerals recommended for consumption by pregnant women, lactating women or women of childbearing potential that are attempting to become pregnant in an amount that is effective for enhancing the nutrition of pregnant women, lactating women or women of childbearing potential that are attempting to become pregnant, and that is not harmful to developing fetuses or breast-feeding babies, one or more anti-constipation and regularity-maintaining agents in an amount that is effective for reducing or eliminating constipation, and that is not harmful to developing fetuses or breast-feeding babies, from about 0 to about 99 weight percent of carbohydrates, from about 0 to about 80 weight percent of proteins, and from about 0 to about 60 weight percent of fats.

26 Claims, 1 Drawing Sheet

